| BRUHAT BANGALORE MAHANAGARA PALIKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NAME OF WORK : Construction of Indoor Stadium building above existing Swimming pool in ward no.07 | | | | | | | | |
| PREMEASUREMENT SHEET | | | | | | | | |
| First & Part Bill | | | | | | | | |
| Client | Sri.K.Somappa No.139/A,6th Main Mathikere,Bangalore-560054 | | | | | | | |
| Chainage in m | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
| From / To | | | | | | | | |
| Item No.01 | Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications and directions of the Engineer in charge.(First Floor) | | | | | | | |
| Measurements taken on | 28-9-2020 | | | | | | | |
| | Column | | | | | | | |
| | C1 | | | | | | | |
| | Along Grid B | Sqm | 8 | 2.1 | | 3.65 | 61.32 | |
| | Along Grid E | Sqm | 8 | 2.1 | | 3.65 | 61.32 | |
| | C2 | Sqm | | | | | | |
| | Along Grid C | Sqm | 2 | 1.5 | | 4.35 | 13.05 | |
| | C3 | Sqm | | | | | | |
| | Along Grid D | Sqm | 2 | 1.5 | | 4.65 | 13.95 | |
| | Grid A-9 | Sqm | 1 | 1.5 | | 4.35 | 6.53 | |
| | C4 | Sqm | | | | | | |
| | Along Grid F | Sqm | 2 | 1.5 | | 4.35 | 13.05 | |
| | Grid A-10 | Sqm | 1 | 1.5 | | 4.35 | 6.53 | |
| | | | | | | | | |
| | | | | | | Total Executed Quantity | 175.74 | |
| | | | | | | Qty Carried to Summary | 175.74 | |

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK : Construction of Indoor Stadium building above existing Swimming pool in ward no.07**

**PREMEASUREMENT SHEET**

**First & Part Bill**

| Client | Sri.K.Somappa No.139/A,6th Main Mathikere,Bangalore-560054 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Chainage in m | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
| From To | | | | | | | | |
| Item No.03 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 9 mtrs. complete as per specifications and directions of the Engineer in charge (First Floor) | | | | | | | |
| Measurements taken on | 15-10-2020 | | | | | | | |
| | **First Roof Slab** | | | | | | | |
| | | Sqm | 1 | 40 | 23.9 | | 956.00 | |
| | **Deduction** | Sqm | | | | | | |
| | Staircase | Sqm | 1 | 6.6 | 3.7 | | -24.42 | |
| | **First Roof Slab Edge** | | | | | | | |
| | | Sqm | 1 | 117.2 | | 0.175 | 20.51 | |
| | | | | | | | | |
| | | | | | | **Total Executed Quantity** | **952.09** | |
| | | | | | | **Qty Carried to Summary** | **952.09** | |

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK : Construction of Indoor Stadium building above existing Swimming pool in ward no.07**

**PREMEASUREMENT SHEET**

**First & Part Bill**

| Client | Sri.K.Somappa No.139/A,6th Main Mathikere,Bangalore-560054 |
|---|---|

| Chainage in m | | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| From | To | | | | | | | | |
| Item No.05 | | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beams haunchings, cantilelver, girders, bressumers and lintels exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of the Engineer in charge (First Floor) | | | | | | | |
| Measurements taken on | | 15-10-2020 | | | | | | | |
| | | **Beams** | | | | | | | |
| | | B5(300 X 600) | | | | | | | |
| | | Along Grid 10&9 | Sqm | 4 | 23.90 | | 0.43 | 40.63 | |
| | | B6(450 X 1300) | Sqm | | | | | | |
| | | Along Grid 2 to 9 | Sqm | 14 | 23.90 | | 1.13 | 376.43 | |
| | | B7(450 X 1350) | Sqm | 2 | 23.90 | | 1.18 | 56.17 | |
| | | B8( 200X 600) | Sqm | | | | | | |
| | | Along Grid A & F | Sqm | 4 | 4.00 | | 0.43 | 6.80 | |
| | | | Sqm | 28 | 4.05 | | 0.43 | 48.20 | |
| | | | Sqm | 2 | 3.50 | | 0.43 | 2.98 | |
| | | B4( 300 X 300) | Sqm | | | | | | |
| | | Along Grid B & E | Sqm | | | | | | |
| | | | Sqm | 4 | 4.00 | | 0.13 | 2.00 | |
| | | | Sqm | 24 | 4.05 | | 0.13 | 12.15 | |
| | | Along D between 10&9 | Sqm | 2 | 3.50 | | 0.13 | 0.88 | |
| | | SB(200 X 600) | Sqm | 2 | 3.50 | | 0.28 | 1.93 | |
| | | CB | Sqm | 4 | 4.30 | | 0.15 | 2.58 | |
| | | B9(200X600) | Sqm | 4 | 3.80 | | 0.43 | 6.46 | |
| | | | | | | | | | |
| | | | | | | | **Total Executed Quantity** | **557.18** | |
| | | | | | | | **Qty Carried to Summary** | **557.18** | |

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK : Construction of Indoor Stadium building above existing Swimming pool in ward no.07**

**PREMEASUREMENT SHEET**

**First & Part Bill**

| Client | Sri.K.Somappa No.139/A,6th Main Mathikere,Bangalore-560054 | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Chainage in m | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
| From To | | | | | | | | |
| Item No.07 | Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specifications and directions of the Engineer in charge | | | | | | | |
| Measurements taken on | 15-10-20, 24-10-2020 | | | | | | | |
| | **Staircase** | | | | | | | |
| | Waist slab bottom | Sqm | 2 | 5.43 | 1.6 | | 17.38 | |
| | Waist slab Side | Sqm | 4 | 5.43 | | 0.2 | 4.34 | |
| | Landing bottom | Sqm | 1 | 3.5 | 1.5 | | 5.25 | |
| | Landing Sides | Sqm | 1 | 6.5 | | 0.2 | 1.30 | |
| | Rise and threads | Sqm | 33 | | 1.6 | 0.15 | 7.92 | |
| | **Second Floor** | | | | | | | |
| | Waist slab bottom | Sqm | 2 | 4.76 | 1.6 | | 15.23 | |
| | Waist slab Side | Sqm | 4 | 4.76 | | 0.2 | 3.81 | |
| | Landing | Sqm | 1 | 3.5 | 1.5 | | 5.25 | |
| | Landing Sides | Sqm | 1 | 6.5 | | 0.2 | 1.30 | |
| | Rise and threads | Sqm | 30 | | 1.6 | 0.15 | 7.20 | |
| | | | | | | | | |
| | | | | **Total Executed Quantity** | | | **68.98** | |
| | | | | **Qty Carried to Summary** | | | **68.98** | |

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ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

| BRUHAT BANGALORE MAHANAGARA PALIKE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| NAME OF WORK : Construction of Indoor Stadium building above existing Swimming pool in ward no.07 | | | | | | | | |
| PREMEASUREMENT SHEET | | | | | | | | |
| First & Part Bill | | | | | | | | |
| Client | Sri.K.Somappa No.139/A,6th Main Mathikere,Bangalore-560054 | | | | | | | |
| Chainage in m | Description of Item | Unit | No | Length (m) | Breadt (m) | Depth (m) | Quantity | Remarks |
| From To | | | | | | | | |
| Item No.17 | Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directions of the Engineer in charge (First Floor) | | | | | | | |
| Measurements taken on | 27-9-2020 -15-10-2020, 24-10-2020 | | | | | | | |
| | First Floor | | | | | | | |
| | Column | tonne | | from steel calculation sheet | | | 6.24 | |
| | Beam | tonne | | from steel calculation sheet | | | 55.55 | |
| | Roof Slab | tonne | | from steel calculation sheet | | | 17.24 | |
| | Staircase | tonne | | from steel calculation sheet | | | 1.53 | |
| | | | | | | | | |
| | | | | Total Executed Quantity | | | 80.55 | |
| | | | | Qty Carried to Summary | | | 80.55 | |

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

| | |
|---|---|
| Project name: | Construction of Indoor Stadium building above existing Swimming pool in ward no.07 |
| Client: | Sri.K.Somappa No.139/A,6th Main Mathikere,Bangalore-560054 |
| Description: | Steel calculation sheet |

## PREMEASUREMENT SHEET -First & Part Bill

| Measurement no. | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Drawings: | | | mm | | | m | m | m | m | kg/m | Kg's |
| Item No.17 | Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directions of the Engineer in charge (First Floor) | | | | | | | | | | |
| | COLUMN | | | | | | | | | | |
| | UPTO First Floor | | | | | | | | | | |
| | C1 | 16 | 25 | 14 | 224 | 4.95 | 0.00 | 4.95 | 1108.80 | 3.85 | 4272.61 |
| | Rectangle Rings | 1 | 8 | 26 | 412 | 2.10 | 0.00 | 2.10 | 865.20 | 0.39 | 341.39 |
| | Rectangle Rings | 1 | 8 | 26 | 412 | 1.50 | 0.00 | 1.50 | 618.00 | 0.39 | 243.85 |
| | Rectangle Rings | 1 | 8 | 26 | 412 | 1.50 | 0.00 | 1.50 | 618.00 | 0.39 | 243.85 |
| | Single ring | 1 | 8 | 26 | 412 | 0.45 | 0.00 | 0.45 | 185.40 | 0.39 | 73.16 |
| | | | | | | | | | | | |
| | C2 | 2 | 25 | 8 | 16 | 4.95 | 0.00 | 4.95 | 79.20 | 3.85 | 305.19 |
| | Rectangle Rings | 1 | 8 | 26 | 52 | 1.50 | 0.00 | 1.50 | 77.25 | 0.39 | 30.48 |
| | Rectangle Rings | 1 | 8 | 26 | 52 | 1.20 | 0.00 | 1.20 | 61.80 | 0.39 | 24.39 |
| | | | | | | | | | | | |
| | C3 | 3 | 25 | 6 | 18 | 4.95 | 0.00 | 4.95 | 89.10 | 3.85 | 343.33 |
| | Rectangle Rings | 1 | 8 | 26 | 78 | 1.50 | 0.00 | 1.50 | 117.00 | 0.39 | 46.17 |
| | Single ring | 1 | 8 | 26 | 78 | 0.30 | 0.00 | 0.30 | 23.40 | 0.39 | 9.23 |
| | | | | | | | | | | | |
| | C4 | 3 | 25 | 4 | 12 | 4.95 | 0.00 | 4.95 | 59.40 | 3.85 | 228.89 |
| | | 3 | 12 | 2 | 6 | 4.95 | 0.00 | 4.95 | 29.70 | 0.89 | 26.37 |
| | Rectangle Rings | 1 | 8 | 26 | 77 | 1.50 | 0.00 | 1.50 | 115.88 | 0.39 | 45.72 |
| | Single ring | 1 | 8 | 26 | 77 | 0.30 | 0.00 | 0.30 | 23.18 | 0.39 | 9.14 |
| | | | | | | | | | | Sub- total | 6243.77 |
| | BEAM | | | | | | | | | | |
| | B5 along 9,10 | 2 | | | | | | | | | |
| | top bars | | 25 | 4 | 8 | 25.13 | 0.00 | 25.13 | 201.04 | 3.85 | 774.68 |
| | top extra bars | | 25 | 6 | 12 | 10.40 | 0.00 | 10.40 | 124.80 | 3.85 | 480.90 |
| | bottom bars | | 25 | 6 | 12 | 23.93 | 0.00 | 23.93 | 287.16 | 3.85 | 1106.53 |
| | bottom extra bars | | 25 | 2 | 4 | 4.50 | 0.00 | 4.50 | 18.00 | 3.85 | 69.36 |
| | stirrups @ 100 C/C | | 12 | 65 | 130 | 1.80 | 0.00 | 1.80 | 234.00 | 0.89 | 207.75 |
| | stirrups @ 100 C/C | | 12 | 81 | 162 | 1.80 | 0.00 | 1.80 | 291.60 | 0.89 | 258.89 |
| | stirrups @ 100 C/C | | 12 | 65 | 131 | 1.80 | 0.00 | 1.80 | 235.12 | 0.89 | 208.74 |
| | stirrups @ 100 C/C | | 12 | 42 | 83 | 1.80 | 0.00 | 1.80 | 150.08 | 0.89 | 133.25 |
| | | | | | | | | | | | |
| | B6 along 2 to 8 | 7 | | | | | | | | | |
| | top bars | | 32 | 9 | 64 | 26.53 | 0.00 | 26.53 | 1697.92 | 6.31 | 10719.55 |
| | top extra bars | | 32 | 3 | 21 | 14.10 | 0.00 | 14.10 | 296.10 | 6.31 | 1869.38 |
| | bottom bars | | 32 | 18 | 126 | 23.93 | 0.00 | 23.93 | 3015.18 | 6.31 | 19035.87 |
| | bottom extra bars | | 32 | 6 | 42 | 14.10 | 0.00 | 14.10 | 592.20 | 6.31 | 3738.76 |
| | bottom extra bars | | 25 | 2 | 14 | 9.80 | 0.00 | 9.80 | 137.20 | 3.85 | 528.68 |
| | stirrups @ 100 C/C | | 12 | 99 | 694 | 3.50 | 0.00 | 3.50 | 2430.40 | 0.89 | 2157.74 |

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division

| | |
|---|---|
| Name of the work | Construction of Indoor Stadium building above existing Swimming pool in ward no.07 |
| Owner | Sri.K.Somappa No.139/A,6th Main Mathikere,Bangalore-560054 |
| Description | Steel calculation sheet |

## PREMEASUREMENT SHEET -First & Part Bill

| Measurement no. | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Drawing No. | | | mm | | | m | m | m | m | kg/m | Kg's |
| | stirrups @ 100 C/C | | 12 | 142 | 994 | 3.50 | 0.00 | 3.50 | 3479.00 | 0.89 | 3088.71 |
| | **B7 along 1** | 1 | | | | | | | | | |
| | top bars | | 32 | 9 | 9 | 26.63 | 0.00 | 26.63 | 239.67 | 6.31 | 1513.12 |
| | top extra bars | | 32 | 5 | 5 | 14.10 | 0.00 | 14.10 | 70.50 | 6.31 | 445.09 |
| | bottom bars | | 32 | 18 | 18 | 23.93 | 0.00 | 23.93 | 430.74 | 6.31 | 2719.41 |
| | bottom extra bars | | 32 | 7 | 7 | 14.10 | 0.00 | 14.10 | 98.70 | 6.31 | 623.13 |
| | bottom extra bars | | 25 | 2 | 2 | 9.80 | 0.00 | 9.80 | 19.60 | 3.85 | 75.53 |
| | stirrups @ 100 C/C | | 12 | 99 | 99 | 3.50 | 0.00 | 3.50 | 347.20 | 0.89 | 308.25 |
| | stirrups @ 100 C/C | | 12 | 142 | 142 | 3.50 | 0.00 | 3.50 | 497.00 | 0.89 | 441.24 |
| | | | | | | | | | | | |
| | **B8 along A and F From 1-9** | 2 | | | | | | | | | |
| | top bars | | 25 | 2 | 4 | 37.11 | 0.00 | 37.11 | 148.44 | 3.85 | 571.99 |
| | bottom bars | | 25 | 6 | 12 | 35.91 | 0.00 | 35.91 | 430.92 | 3.85 | 1660.49 |
| | stirrups @150 C/C | | 8 | 240 | 481 | 3.40 | 0.00 | 3.40 | 1635.17 | 0.39 | 645.21 |
| | **B8 along FFrom 9-10** | 1 | | | | | | | | | |
| | top bars | | 25 | 2 | 2 | 5.30 | 0.00 | 5.30 | 10.60 | 3.85 | 40.85 |
| | bottom bars | | 25 | 6 | 6 | 4.10 | 0.00 | 4.10 | 24.60 | 3.85 | 94.79 |
| | stirrups @150 C/C | | 8 | 28 | 28 | 3.40 | 0.00 | 3.40 | 96.33 | 0.39 | 38.01 |
| | **B9 along A and C From 9-10** | 2 | | | | | | | | | |
| | top bars | | 20 | 2 | 4 | 5.30 | 0.00 | 5.30 | 21.20 | 2.47 | 52.28 |
| | bottom bars | | 25 | 4 | 8 | 4.10 | 0.00 | 4.10 | 32.80 | 3.85 | 126.39 |
| | stirrups @100 C/C | | 8 | 42 | 84 | 3.40 | 0.00 | 3.40 | 285.60 | 0.39 | 112.69 |
| | **B4 alongD From 9-10** | 2 | | | | | | | | | |
| | top bars | | 20 | 2 | 4 | 33.10 | 0.00 | 33.10 | 132.40 | 2.47 | 326.52 |
| | bottom bars | | 25 | 3 | 6 | 31.90 | 0.00 | 31.90 | 191.40 | 3.85 | 737.53 |
| | stirrups @150 C/C | | 8 | 214 | 427 | 1.50 | 0.00 | 1.50 | 641.00 | 0.39 | 252.93 |
| | **B4 along D From 9-10** | 1 | | | | | | | | | |
| | top bars | | 20 | 2 | 2 | 4.10 | 0.00 | 4.10 | 8.20 | 2.47 | 20.22 |
| | bottom bars | | 25 | 3 | 3 | 4.10 | 0.00 | 4.10 | 12.30 | 3.85 | 47.40 |
| | stirrups @150 C/C | | 8 | 28 | 28 | 1.50 | 0.00 | 1.50 | 42.50 | 0.39 | 16.77 |

55248.64

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone

| | |
|---|---|
| Name of the work | Construction of Indoor Stadium building above existing Swimming pool in ward no.07 |
| Date | Sri.K.Somappa No.139/A,6th Main Mathikere,Bangalore-560054 |
| Description | Steel calculation sheet |

## PREMEASUREMENT SHEET -First & Part Bill

| Measurements | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | mm | | | m | m | m | m | kg/m | Kg's |
| | CB | 2 | | | | | | | | | |
| | top bars | | 20 | 4 | 8 | 5.05 | 0.00 | 5.05 | 40.40 | 2.47 | 99.63 |
| | bottom bars | | 20 | 6 | 12 | 4.75 | 0.00 | 4.75 | 57.00 | 2.47 | 140.57 |
| | stirrups @100 C/C | | 8 | 48 | 96 | 1.50 | 0.00 | 1.50 | 144.00 | 0.39 | 56.82 |
| | | | | | | | | | Sub- total | | 55545.66 |
| 3 | SLAB | | | | | | | | | | |
| | Slab between grid 1-9,A-F | | | | | | | | | | |
| | 12# @100 c/c | | | | | | | | | | |
| | crank bars alt | 1 | 12 | 122 | 122 | 36.30 | 9.07 | 45.37 | 5517.24 | 0.89 | 4898.28 |
| | main bars alt | 1 | 12 | 122 | 122 | 36.30 | 0.00 | 36.30 | 4414.08 | 0.89 | 3918.88 |
| | 16# @200 c/c extra @ top | 1 | 16 | 121 | 121 | 21.00 | 0.00 | 21.00 | 2532.60 | 1.58 | 3997.29 |
| | 10# @200 c/c distribution | 1 | 10 | 184 | 184 | 23.92 | 0.00 | 23.92 | 4389.32 | 0.62 | 2706.18 |
| | Slab between grid 9-10,C-F | | | | | | | | | | |
| | 12# @100 c/c | | | | | | | | | | |
| | crank bars alt | 1 | 12 | 89 | 89 | 3.80 | 9.07 | 12.87 | 1139.17 | 0.89 | 1011.37 |
| | main bars alt | 1 | 12 | 89 | 89 | 3.80 | 0.00 | 3.80 | 336.30 | 0.89 | 298.57 |
| | 16# @200 c/c extra @ top | 1 | 16 | 89 | 89 | 1.40 | 0.00 | 1.40 | 123.90 | 1.58 | 195.56 |
| | 10# @200 c/c distribution | 1 | 10 | 20 | 20 | 17.30 | 0.00 | 17.30 | 346.00 | 0.62 | 213.32 |
| | | | | | | | | | Sub- total | | 17239.46 |
| 4 | Staircase | | | | | | | | | | |
| | First Floor | | | | | | | | | | |
| | 16# @100 c/c main bars | 2 | 16 | 17 | 34 | 7.70 | 0.00 | 7.70 | 261.80 | 1.58 | 413.21 |
| | 16# @100 c/c | 1 | 16 | 36 | 36 | 2.50 | 0.00 | 2.50 | 90.00 | 1.58 | 142.05 |
| | 12# @200 c/c distribution | 2 | 12 | 40 | 79 | 1.60 | 0.00 | 1.60 | 126.40 | 0.89 | 112.22 |
| | SB | 1 | | | | | | | | | |
| | top bars | | 20 | 2 | 2 | 5.30 | 0.00 | 5.30 | 10.60 | 2.47 | 26.14 |
| | bottom bars | | 25 | 4 | 4 | 4.10 | 0.00 | 4.10 | 16.40 | 3.85 | 63.20 |
| | stirrups @150 C/C | | 10 | 28 | 28 | 1.60 | 0.00 | 1.60 | 45.33 | 0.62 | 27.95 |
| | Second Floor | | | | | | | | | | |
| | 16# @100 c/c main bars | 2 | 16 | 17 | 34 | 7.06 | 0.00 | 7.06 | 240.04 | 1.58 | 378.86 |
| | 16# @100 c/c | 1 | 16 | 36 | 36 | 2.50 | 0.00 | 2.50 | 90.00 | 1.58 | 142.05 |

CF 55248.64

1305.67

SUDHARAPRASAD CONSULTANTS BANGALORE

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

| | |
|---|---|
| Project name | Construction of Indoor Stadium building above existing Swimming pool in ward no.07 |
| Client | Sri.K.Somappa No.139/A,6th Main Mathikere,Bangalore-560054 |
| Description | Steel calculation sheet |

## PREMEASUREMENT SHEET -First & Part Bill

CF 1305.67

| Measurements | Description | Nos | BAR DIA | No. Bars | Total No. bars | L | Crank length (42d) | Actual Length | Total Length | Weight | Total weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chainage From To | | | mm | | | m | m | m | m | kg/m | Kg's |
| | 12# @200 c/c distribution | 2 | 12 | 36 | 73 | 1.60 | 0.00 | 1.60 | 116.16 | 0.89 | 103.13 |
| | SB | 1 | | | | | | | | | |
| | top bars | | 20 | 2 | 2 | 5.30 | 0.00 | 5.30 | 10.60 | 2.47 | 26.14 |
| | bottom bars | | 25 | 4 | 4 | 4.10 | 0.00 | 4.10 | 16.40 | 3.85 | 63.20 |
| | stirrups @150 C/C | | 10 | 28 | 28 | 1.60 | 0.00 | 1.60 | 45.33 | 0.62 | 27.95 |
| | | | | | | | | | Sub- total | | 1526.09 |
| | | | | | | | | TOTAL WEIGHT in Kg | | | 80554.98 |
| | | | | | | | | TOTAL WEIGHT in Tonne | | | 80.55 |

VIJAYAPRASAD CONSULTANTS BANGALORE PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK : Construction of Indoor Stadium building above existing Swimming pool in ward no.07**

**MEASUREMENT SHEET**

**First & Part Bill**

Sri.K.Somappa No.139/A,6th Main Mathikere,Bangalore-560054

| Description of Item | Unit | No | Length (m) | Breadth (m) | Depth (m) | Quantity | Rate Rs | Amount Rs | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications and directions of the Engineer in charge.(First Floor) | | | | | | | | | |
| | Sqm | | | | | | | | |
| **Wide Total executed Quantity from premeasuremet Page no.** 1 | | | | | | **175.74** | | | |
| **Tender Quantity** | | | | | | **175.74** | | | |
| **Now To be Paid Qty** | | | | | | **175.74** | **450.0** | **79083.0** | |
| Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 9 mtrs. complete as per specifications and directions of the Engineer in charge (First Floor) | | | | | | | | | |
| | Sqm | | | | | | | | |
| **Wide Total executed Quantity from premeasuremet Page no.** 2 | | | | | | **952.09** | | | |
| **Tender Quantity** | | | | | | **952.09** | | | |
| **Now To be Paid Qty** | | | | | | **952.09** | **4500.0** | **4284405.0** | |
| Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beams haunchings, cantilelver, girders, bressumers and lintels exceeding 1m in depth including cost of all materials, labour complete as per specifications and directions of the Engineer in charge (First Floor) | | | | | | | | | |
| | Sqm | | | | | | | | |
| **Wide Total executed Quantity from premeasuremet Page no.** 3 | | | | | | **557.18** | | | |
| **Tender Quantity** | | | | | | **557.18** | | | |
| **Now To be Paid Qty** | | | | | | **557.18** | **400.0** | **222872.0** | |
| Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specifications and directions of the Engineer in charge | | | | | | | | | |
| | Sqm | | | | | | | | |
| **Wide Total executed Quantity from premeasuremet Page no.** 4 | | | | | | **68.98** | | | |
| **Tender Quantity** | | | | | | **68.98** | | | |
| **Now To be Paid Qty** | | | | | | **68.98** | **300.0** | **20694.0** | |
| Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or facing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of the Engineer in charge (First Floor) | | | | | | | | | |

29-9-2020 to 06-10-2020

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Column | | | | | | | | | | |
| C1 | | | | | | | | | | |
| Along Grid B | Cum | 8 | 0.60 | 0.45 | 3.65 | 7.88 | | | | |
| Along Grid E | Cum | 8 | 0.60 | 0.45 | 3.65 | 7.88 | | | | |
| C2 | | | | | | | | | | |
| Along Grid C | Cum | 2 | 0.45 | 0.30 | 4.35 | 1.17 | | | | |

16.93

VIJAYAPRASAD CONSULTANTS BANGALORE

PMC

ASSISTANT ENGINEER

Asst. Executive Engineer
ASSISTANT EXECUTIVE ENGINEER
Project Division
Yelahanka Zone

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK : Construction of Indoor Stadium building above existing Swimming pool in ward no.07**

**MEASUREMENT SHEET**

**First & Part Bill**

Sri.K.Somappa No.139/A,6th Main Mathikere,Bangalore-560054

(CF 16.93)

| Description of Item | Unit | No | Length (m) | Breadth (m) | Depth (m) | Quantity | Rate Rs | Amount Rs | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| C3 | | | | | | | | | |
| Along Grid D | Cum | 2 | 0.45 | 0.30 | 4.65 | 1.26 | | | |
| Grid A-9 | Cum | 1 | 0.45 | 0.30 | 4.35 | 0.59 | | | |
| C4 | | | | | | | | | |
| Along Grid F | Cum | 2 | 0.45 | 0.30 | 4.35 | 1.17 | | | |
| Grid A-10 | Cum | 1 | 0.45 | 0.30 | 4.35 | 0.59 | | | |
| | Cum | | | | | | | | |
| Staircase | | | | | | | | | |
| Waist slab bottom | Cum | 2 | 5.43 | 1.60 | 0.2 | 3.48 | | | |
| Landing bottom | Cum | 1 | 3.50 | 1.50 | 0.2 | 1.05 | | | |
| Rise and threads | Cum | 33 | | 1.60 | 0.02 | 1.06 | | | |
| | | | triangular area 0.5*0.3*0.15=0.022 | | | | | | |
| SB(200 X 600) | Cum | 1 | 3.50 | 0.20 | 0.60 | 0.42 | | | |
| | | | | | | | | | |
| | | | | | **Total Executed Quantity** | **26.55** | | | |
| | | | | | **Tender Quantity** | **30.99** | 1200.00 | 318600.00 | |
| | | | | | **Now To be Paid Qty** | **26.55** | **10000.00** | **265482** | |

Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or facing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of the Engineer in charge (Second Floor)

28-10-2020

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Staircase | | | | | | | | | |
| Waist slab bottom | Cum | 2 | 4.76 | 1.60 | 0.2 | 3.05 | | | |
| Landing | Cum | 1 | 3.50 | 1.50 | 0.2 | 1.05 | | | |
| Rise and threads | Cum | 30 | | 1.60 | 0.02 | 0.96 | | | |
| | | | triangular area 0.5*0.3*0.15=0.022 | | | | | | |
| SB(200 X 600) | Cum | 1.00 | 3.50 | 0.20 | 0.60 | 0.42 | | | |
| | | | | | | | | | |
| | | | | | **Total Executed Quantity** | **5.48** | | | |
| | | | | | **Tender Quantity** | **5.48** | | | |
| | | | | | **Now To be Paid Qty** | **5.48** | **6659.00** | **36467.3476** | |

PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**NAME OF WORK : Construction of Indoor Stadium building above existing Swimming pool in ward no.07**

**MEASUREMENT SHEET**

**First & Part Bill**

Sri.K.Somappa No.139/A,6th Main Mathikere,Bangalore-560054

| Description of Item | Unit | No | Length (m) | Breadth (m) | Depth (m) | Quantity | Rate Rs | Amount Rs | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. complete as per specifications and directions of the Engineer in charge | | | | | | | | | |
| 29-9-2020 to 06/10/2020 | | | | | | | | | |
| First Floor | | | | | | | | | |
| Beams | | | | | | | | | |
| B5(300 X 600) | | | | | | | | | |
| Along Grid 10&9 | Cum | 2 | 23.90 | 0.30 | 0.43 | 6.09 | | | |
| B6(450 X 1300) | Cum | | | | | | | | |
| Along Grid 2 to 9 | Cum | 7 | 23.90 | 0.45 | 1.13 | 84.70 | | | |
| B7(450 X 1350) | Cum | 1 | 23.90 | 0.45 | 1.18 | 12.64 | | | |
| B8( 200X 600) | Cum | | | | | | | | |
| Along Grid A & F | Cum | 2 | 4.00 | 0.20 | 0.43 | 0.68 | | | |
| | Cum | 14 | 4.05 | 0.20 | 0.43 | 4.82 | | | |
| | Cum | 1 | 3.50 | 0.20 | 0.43 | 0.30 | | | |
| B4( 300 X 300) | Cum | | | | | | | | |
| Along Grid B & E | Cum | | | | | | | | |
| | Cum | 2 | 4.00 | 0.30 | 0.13 | 0.30 | | | |
| | Cum | 12 | 4.05 | 0.30 | 0.13 | 1.82 | | | |
| Along D between 10&9 | Cum | 1 | 3.50 | 0.30 | 0.13 | 0.13 | | | |
| B9(200 X 600) | Cum | 1 | 3.50 | 0.20 | 0.28 | 0.19 | | | |
| CD | Cum | 2 | 4.30 | 0.60 | 0.15 | 0.77 | | | |
| B4(200X600) | Cum | 2 | 3.80 | 0.20 | 0.43 | 0.65 | | | |
| First floor Roof Slab | Cum | 1 | 40 | 23.9 | 0.175 | 167.30 | | | |
| Deduction | | | | | | | | | |
| Staircase | Cum | 1 | 6.6 | 3.7 | -0.175 | -4.27 | | | |
| | | | | | | | | | |
| | | | | | Total Executed Quantity | | 276.12 | | | |
| | | | | | Tender Quantity | | 283.33 | | | |
| | | | | | Now To be Paid Qty | | 276.12 | 4500.00 | 1242526.5 | |
| Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and directions of the Engineer in charge (First Floor) | | | | | | | | | |
| | tonne | | | | | | | | |
| Total executed Quantity from premeasuremet Page no. 5 | | | | | | | 80.55 | | | |
| | | | | | Tender Quantity | | 81.70 | | | |
| | | | | | Now To be Paid Qty | | 80.55 | 140000.0 | 11277697.5 | |
| | | | | | | | | Total Amount | 17429227.34 | |

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Project Division
Yelahanka Zone